

Rabbit Monoclonal anti-Aurora C (EP1011Y)

Catalog Number: NB110-55481

Background: Aurora-C is a member of a novel family of serine/threonine kinases that have been identified as key regulators of the mitotic cell division process (1). Studies show that human Aurora-C is a chromosomal passenger protein that forms complexes with Aurora-B and inner centromere protein (INCENP), which are known passenger proteins. INCENP binds and activates Aurora-C in vivo and in vitro. Aurora-C co-expressed with INCENP elicits the phosphorylation of endogenous histone H3 in mammalian cells, even though this phosphorylation is not sufficient to establish chromosome condensation in interphase cells (2). Over-expression of an inactive mutant of Aurora C impaired the localization of Aurora C to the spindle midzone resulting in multinucleation which demonstrates that Aurora C is required for cytokinesis (3).

Alternate Names: anti-AIK3 antibody, anti-AurC antibody, anti-STK13 antibody, anti-AIE2 antibody, anti-AURKC antibody, anti-AIK3 antibody, anti-AurC antibody, anti-STK13 antibody, anti-AIE2 antibody, anti-AURKC antibody, anti-Aurora C antibody, anti-Aurora/Ipl1 related kinase 3 antibody, anti-Aurora/Ipl1/Eg2 protein 2 antibody, anti-EC 2.7.11.1 antibody, anti-IPL-1/STK13/Aurora C antibody, anti-Serine threonine protein kinase 13 antibody, anti-Aurora C antibody, anti-Aurora/Ipl1 related kinase 3 antibody, anti-Aurora/Ipl1/Eg2 protein 2 antibody, anti-EC 2.7.11.1 antibody, anti-Serine threonine protein kinase 13 antibody

Host: Rabbit

Clone: EP1011Y

Isotype: IgG

Specificity: A synthetic peptide corresponding to residues near the N-terminus of human Aurora C was used as an immunogen.

Species Reactivity: Human. Does not react with Mouse or Rat. Not tested in other species.

Uses: WB: 1:1000

* Other applications have not been tested.

Dilutions: Suggested working dilutions *
Western Blot
* Investigator should determine optimal working dilutions.

Packaging: 0.1 ml Rabbit ascites.

Buffer: 50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, and 0.05% BSA.

Preservative: 0.01% sodium azide

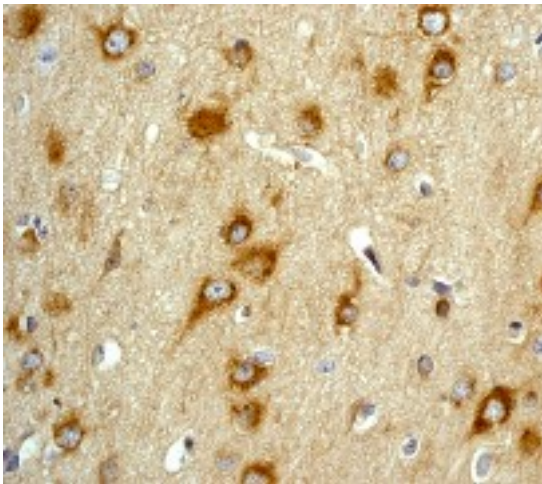
Storage: Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

Limitations: This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.

General References:
1. Katayama H, et al. *Cancer Metastasis Rev.* 22(4): 451-64, 2003
2. Li X, et al. *J Biol Chem* 279(45): 47201-11, 2004

3. Yan X, et al. Genes Cells 10(6): 617-26, 2005

Image(s)





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